HOV Pooled Fund Study

The goal of the HOV Pooled-Fund Study (TPF-5-029) is to assemble regional, state, and local agencies, and the Federal Highway Administration (FHWA) to:

- Identify common issues among agencies
- Suggest projects and initiatives
- Select and initiate projects to address issues
- Disseminate results
- Assist in solution deployment
- Track innovations and practices

HOVpfs.ops.fhwa.dot.gov

Join us!

Membership in the HOV Pooled Fund Study consists of ten states plus the Federal Highway Administration. Any non-commercial agency or organization may join at anytime during the year by committing funds at a level deemed appropriate by the members. Members meet annually to review progress on current projects and to vote on new projects for consideration.

Membership applications are accepted anytime online at: http://www.pooledfund.org/

U.S.Department of Transportation
Federal Highway Administration

SHA

MINNESOTA DEPARTMENT OF TRANSPORTATION

Caltrans

TDOT

VDOT

njdot

GDOT Georgia Department of Transportation

WSDOT

MASSHIGHWAY

Developed for FHWA by the Texas Transportation Institute

U.S.Department of Transportation
Federal Highway Administration

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HOVpfs

High Occupancy Vehicle Pooled Fund Study

HOV Lane Safety Considerations Handbook

HOV Lane Safety Considerations Handbook

Announcing the HOV Lane Safety Considerations Handbook

This new handbook from the **HOV Pooled Fund Study** serves as a comprehensive reference guide for HOV lane safety considerations. The purpose of the handbook is to promote a better understanding of HOV safety issues and needs, and improved consistency in the application of treatments and procedures that enhance HOV lane safety.

Guidance, best practices, and practitioner experience is assembled in an easy-to-use format according to planning, design, or operational elements. Safety issues associated with the development of HOT facilities, case-study profiles of HOV facility treatments and procedures, and opportunities for further safety research are also addressed in the handbook.

Targeted end users of this product are supervisors, technical staff, analysts and operations personnel responsible for planning, designing, operating, enforcing, monitoring, and managing HOV and HOT facilities. Handbook information is also of benefit to agency management personnel and policy makers responsible for facility investment and operational decisions.

There is increasing awareness among transportation professionals regarding the need for better HOV safety information and more explicit consideration of the safety consequences of planning, design, and operational decisions. This handbook offers safety information for the following HOV facility types and provides guidance for integrating treatments and practices that enhance safety.

HOV Facility Types Addressed

- Concurrent buffer-separated and non-separated
- Reversible and two-way barrier-separated
- Contraflow
- Separate rights of way
- Queue bypasses
- Arterial street facilities

Key topics addressed in the handbook include:

Planning

- Identification of Data Needs

Design

- Facility Cross Sections
- Techniques for Separation of Traffic Flows
- Access Treatments
- Signage
- Enforcement Sites

Operations

- Lane Opening, Closing, Reversal
- Incident Management
- Enforcement Operations
- Data Collection
- Crash Analysis and Safety Evaluation

- Chapter at a Glance
- Good Ideas
- Keys to Successful Practices
- Case Study Examples

Available Resources

The HOV Lane Safety Considerations Handbook was developed by the Texas Transportation Institute (TTI), a part of the Texas A&M University System. It is available on the HOV Pooled Fund Study website.

Three other handbooks, available in 2006, can help transportation professionals and policy makers plan, design, operate, enforce, and manage HOV facilities:

- **HOV Lane Eligibility Requirements and Operating Hours Handbook**, addressing the impacts of changes in vehicle eligibility requirements (including low-emission vehicles and toll-based strategies) and operating hours.
- **HOV Performance Monitoring, Evaluation, and Reporting Handbook**, providing guidance for monitoring and evaluating HOV facilities to enhance their operation.
- **HOV Lane Enforcement Handbook**, guiding enforcement strategies and techniques, including the use of innovative approaches and advanced technologies.